

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/04/00

Date Received: 09/21/00

Project: Metro Self Monitor, PO # M83281

Date Extracted: 09/25/00

Date Analyzed: 09/29/00 and 10/02/00

**RESULTS FROM THE ANALYSIS OF THE WATER SAMPLE
FOR TOTAL METALS BY
INDUCTIVELY COUPLED PLASMA (ICP)
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M83281 009089-01	1.5	1.2	1.4	0.13
Method Blank	<0.05	<0.05	<0.05	<0.05

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ENVIRONMENTAL CHEMISTS

Date of Report: 10/04/00

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Project: Metro Self Monitor, PO # M83281

QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 009089-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	1.5	1.4	7	0-20
Copper	mg/L (ppm)	1.2	1.2	0	0-20
Nickel	mg/L (ppm)	1.4	1.3	7	0-20
Zinc	mg/L (ppm)	0.13	0.14	7	0-20

Laboratory Code: 009089-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	% Recovery MS	% Recovery MSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	1.5	89	89	80-120	0
Copper	mg/L (ppm)	5	1.2	91	93	80-120	0
Nickel	mg/L (ppm)	10	1.4	88	91	80-120	3
Zinc	mg/L (ppm)	5	0.13	104	105	80-120	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	% Recovery LCS	% Recovery LCSD	Acceptance Criteria	RPD
Chromium	mg/L (ppm)	5	107	106	80-120	1
Copper	mg/L (ppm)	5	101	102	80-120	1
Nickel	mg/L (ppm)	10	109	107	80-120	2
Zinc	mg/L (ppm)	5	103	103	80-120	0

VB 9089 KT
7/21/00 BT3

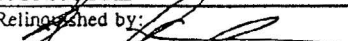
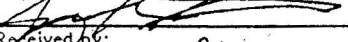
Company ALASKA Copper Works Contact Richard A. Thompson
Address 628 Harvard St
City, State, Zip Seattle WA
Phone # 206-382-8329 FAX # 206-382-9709 Date 9-21-00

7238	metro Self monitor	M 83281
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SAMPLES (signature)	PROJECT LOCATION
	3200 6th Ave S.

REMARKS	SAMPLE DISPOSAL INFORMATION
	<input type="checkbox"/> Dispose after 30 days <input checked="" type="checkbox"/> Return Samples <input type="checkbox"/> Call for Instructions

[illegible]

SIGNATURE	PRINT NAME	COMPANY	Date	Time
Relinquished by: 	GERARD A. Thompson	AEL	9/21/00	1:04
Received by: 	J Bruya	F&BF	9/21/00	1:04
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Jensen, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

October 4, 2000

DUPLICATE COPY

INVOICE #00ACU1004-3

Accounts Payable
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

RE: Project Metro Self Monitor, PO # M83281 - Results of testing requested by
Gerry Thompson for material submitted on September 21, 2000.

1 sample analyzed for Total Chromium,
Copper, Nickel, and Zinc
by Method 6010 @ \$80 per sample

\$ 80.00

Amount Due

\$ 80.00

FEDERAL TAX ID #(b) (6)

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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Seattle, WA 98119-2029
TEL: (206) 285-8282
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October 4, 2000

Gerry Thompson, Project Manager
Alaskan Copper Works
628 South Hanford St.
Seattle, WA 98134

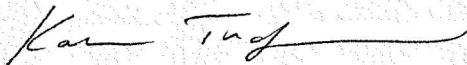
Dear Mr. Thompson:

Included are the results from the testing of material submitted on September 21, 2000 from your Metro Self Monitor, PO # M83281 project. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Kate Trafton
Project Manager

Enclosures
ACU1004R.DOC